

What is claimed is:

1. An apparatus for mounting electronic parts, said apparatus comprising:

5 a pair of transfer rails for transferring a substrate in a transferring direction, said pair of transfer rails being operable to have a transfer width between said pair of transfer rails changed according to a size of the substrate;

a parts supply member for supplying the electronic parts, said parts supply member being provided adjacent to said pair of transfer rails;

10 a mounting head being operable to pick up the electronic parts supplied from said parts supply member and being operable to mount the electronic parts onto the substrate;

a first driving member being operable to move said mounting head in the transferring direction;

15 a second driving member being operable to move said mounting head in a width direction perpendicular to the transferring direction; and

a stand-by position determining member for determining a stand-by position of said second driving member along the width direction according to the transfer width.

20 2. An apparatus for mounting electronic parts as recited in claim 1, wherein said parts supply member is connected to said pair of transfer rails such that said parts supply member integrally moves with said pair of transfer rails.

25 3. An apparatus for mounting electronic parts as recited in claim 1, wherein the stand-by position of said second driving member is determined such that a change of the stand-by position is the same as a change of the transfer width.

4. An apparatus for mounting electronic parts as recited in claim 2, wherein the stand-by position of said second driving member is determined such that a change of the stand-by position is the same as a change of the transfer width.

5 5. An apparatus for mounting electronic parts, said apparatus comprising:  
a pair of transfer rails for transferring a substrate in a transferring direction;  
a transfer width changing member being operable to change a transfer width between  
said pair of transfer rails to correspond with a size of the substrate;

10 first and second parts supply members being operable to supply the electronic parts,  
said first and second parts supply members being provided on opposite sides of said pair of  
transfer rails, respectively;

15 a first mounting head being operable to pick up the electronic parts supplied from said  
first parts supply member and being operable to mount the electronic parts onto the  
substrate;

a second mounting head being operable to pick up the electronic parts supplied from  
said second parts supply member and being operable to mount the electronic parts onto the  
substrate;

a first driving member being operable to move said first and second mounting heads  
in the transferring direction;

20 a second driving member being operable to move said first mounting head in a width  
direction perpendicular to the transferring direction;

a third driving member being operable to move said second mounting head in the  
width direction; and

25 a controller being operable to determine stand-by positions of said first and second  
mounting heads along the width direction according to the transfer width, wherein said first  
mounting head waits at the stand-by position of said first mounting head with the electronic

parts held by said first mounting head while said second mounting head mounts the electronic parts held by said second mounting head onto the substrate.

5 6. An apparatus for mounting electronic parts as recited in claim 5, wherein said first and second parts supply members are synchronized with the transfer width.

7. An apparatus for mounting electronic parts as recited in claim 5, wherein the stand-by positions of said first and second mounting heads are synchronized with the transfer width.

10 8. An apparatus for mounting electronic parts as recited in claim 6, wherein the stand-by positions of said first and second mounting heads are synchronized with the transfer width.

15 9. A method of mounting electronic parts on a substrate, said method comprising:  
changing a transfer width between a pair of transfer rails according to a size of the substrate;

determining a first stand-by position of a first mounting head according to the transfer width;

20 picking up electronic parts from a first parts supply member with the first mounting head;

holding the first mounting head with the electronic parts picked up at the first stand-by position; and

mounting the electronic parts onto the substrate.

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10. A method of mounting electronic parts as recited in claim 9, wherein said changing of the transfer width includes moving the first parts supply member integrally with the pair of transfer rails.

5 11. A method of mounting electronic parts as recited in claim 9, wherein  
said determining of the first stand-by position further includes determining a second  
stand-by position of a second mounting head according to the transfer width,  
said picking-up of the electronic parts further includes picking up the electronic parts  
from a second parts supply member by the second mounting head, and  
10 said holding of the first mounting head includes holding the first mounting head at  
the first stand-by position while the second mounting head mounts the electronic parts onto  
substrate and holding the second mounting head at the second stand-by position while the  
first mounting head is mounts the electronic parts onto the substrate.

15 12. A method of mounting electronic parts as recited in claim 11, wherein said  
changing of the transfer width includes moving the first and second parts supply members  
integrally with the pair of transfer rails.